



- CONDITION FORMULA 1 : THE SIDE OF USEFUL LIFE

$$\min \{ l_a^i, l_r^i \} \leq l_a^i - \min \{ l_a^i, l_r^i \}$$

WHERE  $l^i$  IS LIFE TIME OF PRODUCT,  $l^j$  IS LIFE TIME OF PARTS

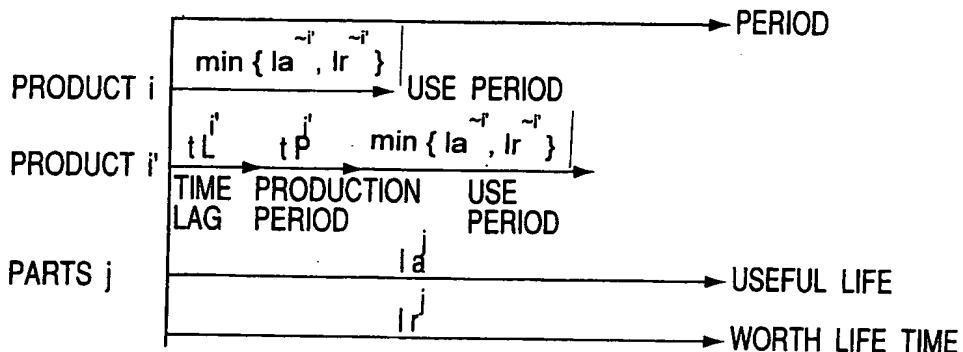


FIG. 19

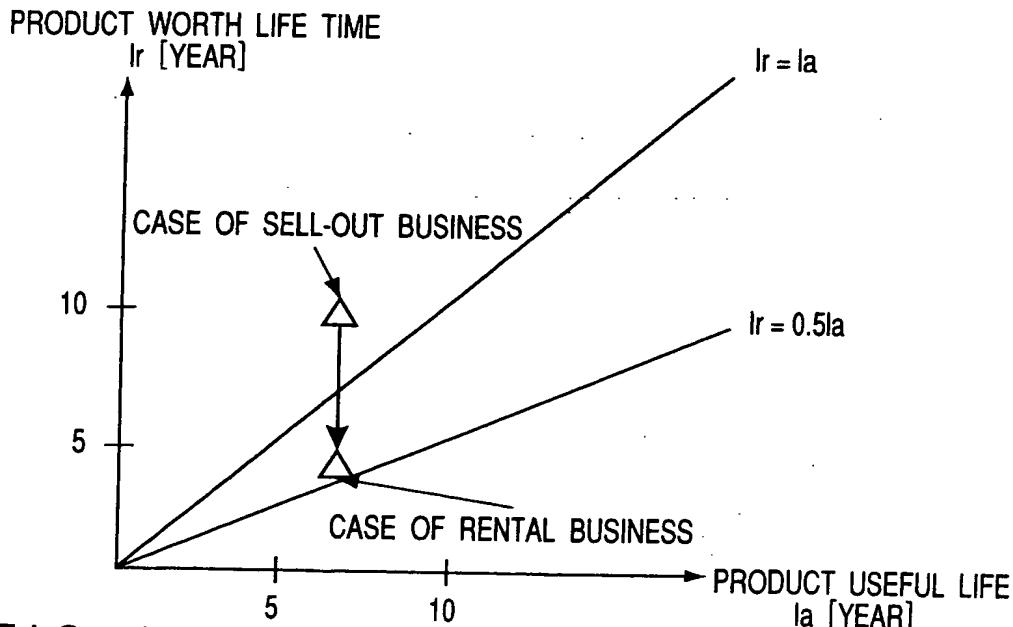


FIG. 20

• CONDITION FORMULA 2 : THE SIDE OF WORTH LIFE TIME

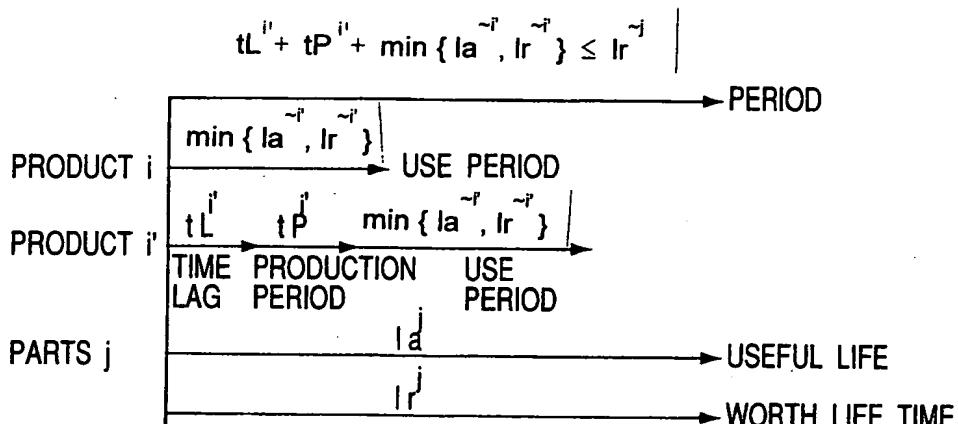


FIG. 21

• CONDITION FORMULA 3 : THE SIDE OF RECOVERY QUANTITY

$$\min \{ l_a^{ii}, l_r^{ii} \} < tL^{ii} + \alpha tP^{ii}$$

WHERE  $0 \leq \alpha \leq 1$   $\alpha$  : PERIOD FACTOR

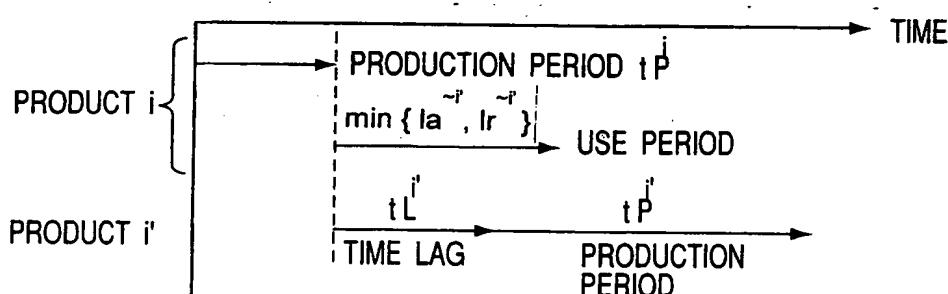


FIG. 22